## GENERAL NOTES

NOTED ON PLANS, CONTRACTOR SHALL REFERENT WORK ON APPLICABLE CONSTRUCTION OF THE ATTEMPT OF THE

THE UNDERGROUND PRES, COBLES OF DUCTINES MOMENT OF EXIST THE UNDERGROUND PROPERTY OF PRODUCT OF THE PARKS THE CONTRACTOR BOARD. UNDERFORM AND DEPTHS AND THE PARKS THE CONTRACTOR BOARD. UNDERFORM OF THE CONTRACTOR OF MAIN PUTTINGS OF THE PARKS THE CONTRACTOR SHALL EXPOSE THE EXISTING A THE SHOWN ON THE DANKS THE CONTRACTOR SHALL EXPOSE THE EXISTING A THE SHOWN OF THE CONTRACTORS OF WATER THEIR LOCATIONS AND DEPTHS PRORE TO EXCANATION FOR THE WINES.

AERIAL TOPDGRAPHIC SURVEY WAS PREPARED ON MAY 9, 2006. BENCHMARKS DISED WERE BASED ON THE FOLLOWING CONTROLS. AZMUTHS AND COORDINATES REFERENCED TO THE HAWAII STATE PLANE COORDINATE SYSTEM. SHALL PAY FOR ALL DAMAGES TO ENSING UTILITIES AND STRUCTURES SPALL NOTIFY PROPERTY AND STRUCTURE AND STRUCTURES AND STRUCTURES AND STRUCTURES AND STRUCTURES AND STRUCTURES.

VERIFY AND CHECK ALL DIMENSIONS AND DETAILS SHOWN ON THE DRAWINGS PROP TO THE START OF CONSTRUCTION. ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR CLARIFICATION.

THE LOCATION AND DEPTH OF EVISING UPUILS WHETHER OR NOT CHANGE CHANGE SHALL BE CONTRACTION. ANY DAMAGE TO THEM SHALL BE CONTRACTION. ANY DAMAGE CHANGE CHANGE.

WHICH TREACH EXCAMATION IS ADJACENT TO OR UNDER EXISTING.
STRUCTURES OF #2 CHITICS, THE CONTRACTOR SHALL BE RESPONSIBLE
FOR PROPERLY SHETTING AND BRACHING THE EXCAMATION AND
STABILIZING THE EXISTING CROWNING TO READER IT SHET AND SECURE
FROM POSSURE SUICES, CAME-INIS AND SETTLEMENT, AND FOR
BEAMS, STRUTS OR UNDERPHANNES TO STULT PROTECT IT FROM
BEAMS, STRUTS OR UNDERPHANNES TO STULT, PROTECT IT FROM

ALL WORK CALLED FOR ON THE PLANS AND NOT TITMIZED IN THE PROPOSAL AND ALL WORK NOT CALLED FOR BUT REQUIRED FOR THE CONSTRUCTION OF THIS FRODLECT, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACTOR'S BID PRICE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMANCE WITH THE APPLICABLE PROVISIONS OF CHAPTER 54, MATER QUALITY STANDARDS, AND CHAPTER 55. MATER POLITION CONTROL, OF THE 11, ADMINISTRATIVE RULES OF THE STATE DEPARTMENT OF HEALTH.

THE CONTROCTOR SHALL MANURAN AND REPAIR ALL EROSION CONTROL MEASURES DURING ALL CONSTRUCTION OFFAITONS AND SHALL MEASURES AFTER SIGNIFICANT STORM EXEMS FOR BREACHES AND/OR DESTRUCTION OF ALL EXISTING MEASURES.

THE CONTRACTOR SHALL POTHOLE ALONG ALL ASH OR MSW CELL LOCATIONS WHERE GRADING OR EXCAMITION DEFEATIONS HAVE OCCUR TO VERIFY LINER EDGE PRIOR TO ANY CONSTRUCTION OPERATIONS.

## **DEMOLITION NOTES**

ALL DEMOLITION WORK SHALL BE CONFINED WITHIN THE LIMITS SHOWN.

THE CONTRACTOR SHALL TARE THE RECESSION PRECAUTIONS TO PREVEN DAMACE TO THE EXISTING WALLS, TRUCES, BUILDINGS, UTULITES, AND STRUCTURES OUTSIDE OF THE LIMITS OF DEMOLITION, ANY DAMACE TO THESE TIEMS SHALL BE REPARED TO EDUAL TO BE BETTER THAN EXISTING CONDITIONS BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE.

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BY LUCKNET AND THE CONTROL OF THE CO

This work was exactly at by me of under my supervision. "Supervision of design shall be of stringed in Chapter 115, Hawaii Administrative Buser, Processional Engineers, Architects, Surveyors, and Landscope Architects, Surveyors, and Landscope Section 19—115—2. Definitions effective June 30, 1939.)

**⑤** Earth Tech tyco International Ltd. Company

# CONSTRUCTION NOTES

DURING WON-WORKING HOURS, THE TRENCHES ON STREETS SHALL BE COVERED WITH NOWSKID STEEL PLATES AND ALL LANES. MAINTAINED OPEN FOR TRAFFIC.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMANCE WITH APPLICABLE PROVISIONS OF THE WATER OUALITY AND WATER POLLUTION CONTROL STANDARDS CONTAINED IN HAWAII ISTRATIC PROCESS CONTAINED IN HAWITER
ISTRATIC PROCESS CHAPTER 31-54, "MATER QUAUTY
MADS", "AND CHAPTER 31-55, "METER POLLUTION CONTROL.", A
S, CHAPTER 31 GF THE REVISED PROMANCES OF HONOLUTU,
TROEE, BEST MANAGEMENT PRACTICES SHALL BE EMPLOYED
THAT'S DURING CONSTRUCTION.

HANCOR HIGH DENSITY POLYTHYLTHE (HOPE) PIPE COBRUGATED PLASTIC PIPE (PDF) SHALL BE ETHER SINCE WALL WHEN INSTALLED ON SUBPACE OF SCOPE OF SHALL BEE DIAK MALL SMOOTH INTERIOR WALL WHEN TREICHED UNDER ROADS, UNLESS OFHERWISE NODICETED ON THE PLANS.

HANCOR FLARED END SECTION (FES) SHALL BE HDPE 24" OR 36" AS INDICATED ON PLANS.

AGGREGATE BASE ROAD AND TRENCH BACKFILL SHALL CONFORM TO STATE OF HAWAII STANDARD SPECIFICATIONS SECTION 304. HAUL ROAD AGGREGATE BASE COURSE SHALL BE 2-½" SIZE.

THE CONTRACTOR SHALL PROVIDE ACCESS TO AND FROM DRIVEWA AND STREETS AT ALL TIMES EXCEPT AS NOTED ON THE PLANS.

CONCRETE RIBBLE MASONRY SHALL CONFORM TO STATE OF HAWM STANDARD SECTION ROA MORTAR FOR BEDDING SHALL CONSIST OF DUE PART EXPERT AND NOT MORE THAN THERE DAYS THE AGGREGATE. HYDRAID LINE WAY BE ADDED TO THE MORTAR AND THE DUANTITY SHALL NOT EXCEED 2005 OF THE CEDIAN OUANTITY THE LINE SHALL NOT EXCEED SAY AN ADDITION TO AND NOT AS REPLACING AN EXEMPTION.

CONSTRUCTION NOTES (CON'T)

MORTAR SHALL BE FRESHLY MIXED PREPARED AND UNFORMLY MIXED TO OBTAIN MINMAND OF 3000 PM, 28-COMPRESSIVE STRENGTH, USE SUFFICIENT WATER CONSISTENT WITH SATISFACTORY WORKABUTY.

BELL BASELINE BOTTOM CURB BOTTOM WALL BOARD OF WATER SUPPLY

MEAN SEA LEVEL
MINIMUM
MEGAN SEA LEVEL

LINEAR FEET JOINT INVERT INTERNAL PIPE THREAD

CATCH BASIN

NORETE CYLINDER PIPE TY AND COUNTY ST JRON JAINLINK FENCE EANOUT NSVB HUNDING H

ON CENTER OUTSIDE DIAMETER OVERHEAD OFFSET

NORTH

PROPERTY LINE
PAVEMENT
POLYVINYL CHLORIDE

ASPHALTIC CONCRETE APPROXIMATE ASPHALT TREATED BASE

ABBREVIATIONS

THE CONTRACTOR SHALL RESTORE TO THER ORIGINAL OR BETTER CONDITION ALL MEROPELERIS DAMEDED AS A RESULT OF THE CONSTRUCTOR. INCLUDING PARABETYS, CAPES, SIGNS, AMOSCAPHO STRUCTURES, MITTERS, MALLES FERNESS, ETC. MILES PROPOSED OF SERVICIOLALLY MALLE PROPOSEDA, DEMOLTION AND RESTORATION OF EXISTINAL THE CONTRACTORS OF PROPERTY.

RESTORATION OF PAYABETY SHALL BE DONE WITH COUNCIENT OR BETTER OUGHT METERS OF USE THE FOLLOWING MINIMUM THICKNESS. OR USE THE FOLLOWING MINIMUM THICKNESS, WHICH-CREER IS GREATER: S. MIN, SUBBASE COURSE, S' MIN, BASE COURSE, 2-1/2" MIN, ASPHALTIC CONCRETE

PAYMENT FOR RESTORATION OF DRIVEWAYS, CURBS AND GUTTERS WILL NOT BE MADE DIRECTLY BUT SHALL BE INCLUDED IN THE BID. CONTRACTOR'S BID PRICE IN THE VARIOUS ITEMS OF THE BID.

MEASURES TO CONTROL EROSION AND OTHER POLLUTANTS SHALL BE IN PLACE EFFORE ANY TRENCHING WORK IS INITIATED. THESE MEASURES SHALL BE PROPERLY CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.

THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CONNER'S REPRESENTATIVE AND THE STATE HISTORIC PRESERVATION OFFICE FURDAL UNCOVERING ANY POPEUMAL HISTORICAL ARTIFACTS OR TEMS OF ARCHAEOLOGICAL SIGNEICANCE.

THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND LICENSES REQUIRED. THE CONVIRACTOR SHALL CONDUCT ME SERSENDINED BY THE CONVERS REPRESENTATIVE AND BE RESPONSIBLE FOR ALL EXPENSES INCURRED IN CONDUCTING THESE RESPONSIBLE FOR ALL EXPENSES INCURRED IN CONDUCTING THE FOR ALL PROPERTY FOR ALL EXPENSES INCURRED IN CONDUCTION THE FOR ALL EXPENSES INCURRED IN

THE CONTRACTOR'S ATTENTION IS DIRECTED TO CHAPTER 42 YEHICULAR NOISE CONTROL FOR OAHU" AND CHAPTER 46

GEOTEXTILE FILTER FABRIC SHALL HAVE A 16 02/YD. OR AS RECOMMENDED BY THE OWNER OR OWNER'S REPRESENTATIVE.

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MORTAR WHICH IS NOT USED WITHIN 30 MINUTES AFTER WATER HAS BEEN ADDED SHALL BE WASTED. RETEMPERING OF MORTAR SHALL NOT BE PERMITTED. ALL GROUTED ROCK RIP-RAP SHALL BE FULLY BEDDED IN MORTAR AND 50 PLACED AS TO BREAK JOINTS AT LEAST BOIND.

TERRICHING OF PIPRIG SHALL HAVE A MINIMAM OF 6-INCHES
OF 3/ CRILISHED ASSERDANG BEDDING BEFORE
PLACEMENT OF PIPE IN TERRICH, BACKELL WITH MATTICE
MATERIAL FIRE OF PIPE IN TERRICH, BACKELL WITHOUT TO A
RELATINE COMPACTION OF 95% WHEN TRENCH IS WITHIN THE
LIMITS OF ANY ROAD.

WHERE APPLICABLE AND FEASIBLE ALL EROSION & SEDIMENT CONTROL MEASURES IN CONTROL REOSION, SEDIMENT, AND OTHER POLLUTAINTS SHALL BE IN PLACE BEFORE ANY EARTHMOVING PHASE OF THE GRADING IS INITIATED.

DRAIN, DIAMETER DETAIL

CEMENT RUBBLE MASONRY CONTINUE, CONTINUATION

CT, CONNECTION RUCT

THE CONTRACTOR MAY ENCOUNTER MUNICIPAL SOLID WASTE OR ASH DURING EXCAVATION. THE CONTRACTOR SHALL FOLLOW PROCEDURES ESTABLISHED IN WASTE MANAGEMENT'S OPERATIONS PLANS FOR HANDLING THESE TYPES OF MATERIALS.

#### CONVENIENCE NOTES PUBLIC HEALTH SAFETY &

THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL RECERN, STATE AND LOCAL LAWS REQUIRED FOR THE PROTECTION OF PUBLIC HEALTH, SAFETY AND ENVIRONMENTAL DUALITY.

THE COMPACTOR, AT HIS/HER OWN EXPENSE SHALL KEEP THPROJECT AND ITS SUPPOUNDING AFEKS FREE FROM DUST
NUSANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE
AIR POLILITION STANDARDS AND REQUIATIONS OF THE STATE
DEPARTMENT OF HEALTH.

THE COMPACTOR SHALL PROVIDE, INSTALL AND MANIFAIN ALL NECESSARY SOISS, LIGHTS, FLARES, BARRECOES, MARKERS, CORES, AND OTHER PROTECTIVE FACILITIES AND SHALL TAKE ALL NECESSARY PRECAMBORS FOR THE PROTECTION, CONVENIENCE AND SAFETY OF THE PUBLIC.

THE COMPACTOR SALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF CHIERWISE MER AND METER USED FOR PROPERTIES THE AND METER AND METER AND METER AND METER USED FOR PROPERTIES THE METER AND PUBLIC HEALTH AND ENVIRONMENT IN ACCORDANCE WITH APPLICABLE DEPARTMENT OF HEALTH REDUIREMENTS.

CONTRACTOR SHALL PROPERLY DEPOSE OF ALL EXCAVATED LANGELL WASTE BY RELOCATION OF WHICH LANGELL LIMITS. CONTRACTOR SHALL THATE ALL PRECAUTIONS DURING ANY AND ALL WARK TO PROTECT ALL PRESPAREL FROM ANY AND ALL HAZARDS, KNOLLONG BUT NOT LIMITED TO BURED HUBBEST, DODRS, METANEL GES, LECAVATE, ESFANZ AND EXPOSURE TO MOREPAUDE ASK MICHAEL SKNOWN TO CONTAIN LEAD, CADMINAND OFFICER PLAY AND TAILS. THE CONTRACTOR SHALL DEVELOP HEALTH AND SAFETY PLAN PRIOR TO ANY CONSTRUCTION ACTIVITIES ASSOCIATED WITH THESE PLANS FOR WANMANALO CULCH LANDFILL.

NO CONTRACTOR SHALL PERFORM ANY TRENCHING DEPENTIONS SO AS TO EASIER FALLUNG ROCKS, SOIL DO REBERTOR SO FALL STUDIES OF FALLUNG ROCKS, SOIL DO REBERTOR, SOR MATURAL WATER CONSTERS, SOR MAY REMEDIAL WORTH CONSTRUCTION SOCIOLAR THE CONST. MONITHERED FOR MAY REMEDIAL ACTION BY THE CHIEF (ROMERER SHALL BE PAPALE BY THE CONTRACTOR).

ELECTRICAL DYERHEAD ELECTRICAL POLE EACH WAY EXISTING

ICHT-OF-WAY

DUCTILE HOON, DRAIN HINET
DUCTILE HOON PPE
DRAIN MANHOLE
DRAIN MANHOLE
DEPARTMENT OF PLANNING AND PERMITTING
DEPARTMENT OF PLANS AND RECREATION
DEPARTMENT OF PUBLIC MORKS
TREAMMENT RELATIVE COMPACTION
RECONNECT, RECONNECTION
REMEDIFICED
REQUIRED
RIGHT SEWER, SLOPE, OR SOUTH SEWER DRAIN MANHOLE SHET! SEWER MANHOLE SPRINKLER SOUARE STREET

HEICHT, HORIZONTAL
HOSE BIBB
HICH DENSITY POLYETHYLENE
HAWAIJAN ELECTRIC COMPANY
HORIZONTAL
HAWAIJAN TELEPHONE COMPANY CALVANIZED
GUARD POST, GUY POLE, GATE F
GATE VALVE
GUY WIRE CROSS WALK HILM TELEPHONE
TOP CURB
THICK
TAX MAP KEY
TOP PIPE
TOP WALL
TYPICAL VALVE BOX MILITY POLE

# FINAL CONSTRUCTION PLANS

PHASE 1 INTERIM ON-SITE DRAINAGE
MEASURES PLANS

GENERAL & CONSTRUCTION NOTES

SHEET 2 OF 14 G-2

DATE: 08/01/06